

result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 12:47:44 ON 05 FEB 2003

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 12:47:54 ON 05 FEB 2003

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STRUCTURE FILE UPDATES: 4 FEB 2003 HIGHEST RN 485752-98-5

DICTIONARY FILE UPDATES: 4 FEB 2003 HIGHEST RN 485752-98-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP  
PROPERTIES for more information. See STNote 27, Searching Properties  
in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

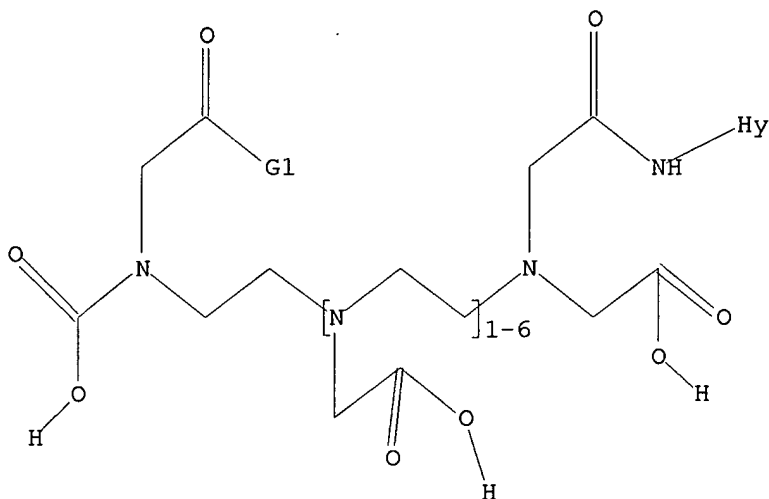
Uploading 09720965 second goround.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam

SAMPLE SEARCH INITIATED 12:48:46 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> search l1 sss full

FULL SEARCH INITIATED 12:49:00 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 62 TO ITERATE

100.0% PROCESSED 62 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=> file marpat

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

149.35

149.56

FILE 'MARPAT' ENTERED AT 12:50:00 ON 05 FEB 2003

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FILE CONTENT: 1988-PRESENT (VOL 104 ISS 15-VOL 138 ISS 5) (20030131/ED)

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES  
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 6503875 07 JAN 2003  
DE 20211496 09 JAN 2003  
EP 1273706 08 JAN 2003  
JP 2003012484 15 JAN 2003  
WO 2003002586 09 JAN 2003

Structure search limits have been raised. See HELP SLIMIT for the new, higher limits.

=> 11

STRUCTURE TOO LARGE - SEARCH ENDED

A structure in your query is too large. You may delete attributes or atoms to reduce the size of the structure and try again.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.40	149.96

SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 12:50:29 ON 05 FEB 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'MARPAT' AT 12:53:38 ON 05 FEB 2003  
FILE 'MARPAT' ENTERED AT 12:53:38 ON 05 FEB 2003  
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.40	149.96

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.40	149.96

FILE 'REGISTRY' ENTERED AT 12:53:55 ON 05 FEB 2003  
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STRUCTURE FILE UPDATES: 4 FEB 2003 HIGHEST RN 485752-98-5  
DICTIONARY FILE UPDATES: 4 FEB 2003 HIGHEST RN 485752-98-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP  
PROPERTIES for more information. See STNote 27, Searching Properties  
in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

Uploading 09720965 second goround 2.str

L4 STRUCTURE UPLOADED

=> d l4

L4 HAS NO ANSWERS

L4 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> search l4 sss sam

SAMPLE SEARCH INITIATED 12:54:25 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 0 TO 0  
PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=> search l4 sss full

FULL SEARCH INITIATED 12:54:34 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 7 TO ITERATE

100.0% PROCESSED 7 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L6 0 SEA SSS FUL L4

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
148.55	298.51

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 12:54:56 ON 05 FEB 2003

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FILE COVERS 1907 - 5 Feb 2003 VOL 138 ISS 6  
FILE LAST UPDATED: 4 Feb 2003 (20030204/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> DTPA

7688 DTPA  
5 DTPAS  
L7 7688 DTPA  
(DTPA OR DTPAS)

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.14	300.65

FILE 'REGISTRY' ENTERED AT 12:55:07 ON 05 FEB 2003  
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STRUCTURE FILE UPDATES: 4 FEB 2003 HIGHEST RN 485752-98-5  
DICTIONARY FILE UPDATES: 4 FEB 2003 HIGHEST RN 485752-98-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e DTPA/cn

E1 1 DTP 470/CN  
E2 1 DTP-N-GDP/CN

E3 1 --> DTPA/CN  
 E4 1 DTPA ANHYDRIDE/CN  
 E5 1 DTPA CALCIUM TRISODIUM SALT/CN  
 E6 1 DTPA CYCLIC ANHYDRIDE/CN  
 E7 1 DTPA DIANHYDRIDE/CN  
 E8 1 DTPA DISODIUM SALT/CN  
 E9 1 DTPA PENTASODIUM SALT/CN  
 E10 1 DTPA-BDMA/CN  
 E11 1 DTPA-BIOTIN/CN  
 E12 1 DTPA-BMA/CN

=> e3

L8 1 DTPA/CN

=> d l8

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 67-43-6 REGISTRY

CN Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]- (7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1,1,4,7,7-Diethylenetriaminepentaacetic acid  
 CN 3,6,9-Triazaundecanedioic acid, 3,6,9-tris(carboxymethyl)-  
 CN Acetic acid, 2,2',2'',2'''-[[[(carboxymethyl)imino]bis(2,1-ethanediylnitrilo)]tetrakis-  
 CN Chel 330 acid  
 CN Chel DTPA  
 CN Clewat DA  
 CN Complexon V  
 CN Dabeersen 503  
 CN Detapac  
 CN Detarex  
 CN DETP  
 CN DTPA  
 CN Diethylenetriamine-N,N,N',N'',N'''-pentaacetic acid  
 CN Diethylenetriaminepentaacetic acid  
 CN Dissolvine D  
 CN DPTA  
 CN **DTPA**  
 CN Hamp-Ex Acid  
 CN Monaquest CAI  
 CN N,N-Bis[2-[bis(carboxymethyl)amino]ethyl]glycine  
 CN Pentacarboxymethyl diethylenetriamine  
 CN Pentetic acid  
 CN Titriplex V  
 CN [[[(Carboxymethyl)imino]bis(ethylenenitrilo)]tetraacetic acid

FS 3D CONCORD

DR 13407-13-1, 6889-50-5, 7575-40-8, 25737-54-6, 84932-15-0, 49758-21-6

MF C14 H23 N3 O10

CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, GMELIN\*, HODOC\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS,

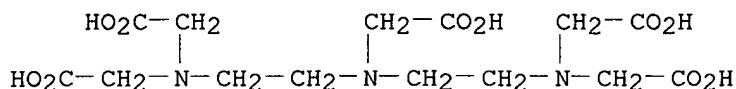
NIOSHTIC,

PIRA, PROMT, RTECS\*, SPECINFO, TOXCENTER, ULIDAT, USAN, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

5136 REFERENCES IN FILE CA (1962 TO DATE)  
1468 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
5148 REFERENCES IN FILE CAPLUS (1962 TO DATE)  
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

6.30

306.95

FILE 'CAPLUS' ENTERED AT 12:55:41 ON 05 FEB 2003

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FILE COVERS 1907 - 5 Feb 2003 VOL 138 ISS 6

FILE LAST UPDATED: 4 Feb 2003 (20030204/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l8

L9 5149 L8

=> d his

(FILE 'HOME' ENTERED AT 12:47:44 ON 05 FEB 2003)

FILE 'REGISTRY' ENTERED AT 12:47:54 ON 05 FEB 2003

L1 STRUCTURE UPLOADED

L2 0 SEARCH L1 SSS SAM

L3 0 SEARCH L1 SSS FULL

FILE 'MARPAT' ENTERED AT 12:50:00 ON 05 FEB 2003

FILE 'REGISTRY' ENTERED AT 12:53:55 ON 05 FEB 2003  
L4 STRUCTURE UPLOADED  
L5 0 SEARCH L4 SSS SAM  
L6 0 SEARCH L4 SSS FULL

FILE 'CAPLUS' ENTERED AT 12:54:56 ON 05 FEB 2003  
L7 7688 DTPA

FILE 'REGISTRY' ENTERED AT 12:55:07 ON 05 FEB 2003  
E DTPA/CN  
L8 1 E3

FILE 'CAPLUS' ENTERED AT 12:55:41 ON 05 FEB 2003  
L9 5149 L8

=> 17 or 19  
L10 9714 L7 OR L9

=> ?phenone?  
L11 94875 ?PHENONE?

=> 110 and 111  
L12 26 L10 AND L11

=> 110(1)111  
L13 4 L10(L)L11

=> d 113 1-4 ti

L13 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS  
TI Friedel-Crafts acylation using sulfated zirconia catalyst

L13 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS  
TI Some phenones and their derivatives as indicators for titrimetric determination of Fe(III) with diethylenetriaminepentaacetic acid

L13 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS  
TI Site-directed chemical modification and crosslinking of a monoclonal antibody using equilibrium transfer alkylating crosslink reagents

L13 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS  
TI Stability constants of biligand chelates of lanthanum(III) and neodymium(III) with NTA, HEDTA, EDTA, CYDTA and DTPA as primary ligands and aromatic dihydroxy compounds as secondary ligands

=> d 113 1-4 ti fbib abs

L13 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS  
TI Friedel-Crafts acylation using sulfated zirconia catalyst  
AN 1999:273678 CAPLUS  
DN 131:115907  
TI Friedel-Crafts acylation using sulfated zirconia catalyst  
AU Yadav, G. D.; Pujari, A. A.  
CS University Department of Chemical Technology (UDCT), Chemical Engineering Division, University of Mumbai, Matunga, Mumbai, 400 019, India  
SO Green Chemistry (1999), 1(2), 69-74  
CODEN: GRCHFJ; ISSN: 1463-9262  
PB Royal Society of Chemistry



DT Journal  
LA English  
AB Synthesis of fine chems. and intermediates by using Friedel-Crafts acylations is an important process in org. chem. technol. In most cases, very good yield and selectivity can be obtained with aluminum chloride as catalyst in conjunction with nitrobenzene as solvent. However, with modern environmental restrictions, in consonance with green chem., replacement of aluminum chloride-nitrobenzene or BF<sub>3</sub>-HF with solid catalysts has great industrial relevance. Acylation of benzene with 4-chlorobenzoyl chloride was attempted with different solid acid catalysts

such as dodecatungstophosphoric acid (DTPA), DTPA/K-10 clay, K-10, Amberlite, Amberlyst-15, Indion-130, Filtrol-24 clay, and sulfated zirconia. However, only sulfated zirconia was found to be effective leading to 100% selective formation of 4-**chlorobenzophenone**, which is useful as an org. and pharmaceutical intermediate; for instance, in the manuf. of Cytrazin-a well known drug. The kinetics of the reaction was studied to establish that the reaction obeys the Langmuir-Hinshelwood-Hougen-Watson mechanism with very weak adsorption of the reactants. The reaction is intrinsically kinetically controlled.

RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS

TI Some phenones and their derivatives as indicators for titrimetric determination of Fe(III) with diethylenetriaminepentaacetic acid

AN 1996:495112 CAPLUS

DN 125:264437

TI Some phenones and their derivatives as indicators for titrimetric determination of Fe(III) with diethylenetriaminepentaacetic acid

AU Talati, J. D.; Shah, S. S.

CS Dep. Chem., Shri V.L. Shah Commerce Coll., Pilvai, 382 850, India

SO Asian Journal of Chemistry (1996), 8(3), 443-448

CODEN: AJCHEW; ISSN: 0970-7077

PB Asian Journal of Chemistry

DT Journal

LA English

AB 2-Hydroxy-4-n-**butoxyacetophenone**, 2-hydroxy-4-n-**butoxypropiophenone**, 2-hydroxy-4-n-butoxy-5-**nitroacetophenone**, 2-hydroxy-4-n-butoxy-5-**nitropropiophenone**, 2-hydroxy-4-n-**butoxyacetophenone** ethylenediamine and 2-hydroxy-4-n-**butoxyacetophenone** thiosemicarbazone were used as indicators for the direct diethylenetriaminepentaacetic acid (DTPA) titrn. of Fe(III). Fe(III) can be quant. detd. with an error of measurement of .1toreq. .+-.0.4% from solns. contg. 280 ppm or more of Fe in the pH range 1.5-3.0.

A no. of diverse ions can be tolerated but Ca<sup>2+</sup>, Ba<sup>2+</sup>, Sr<sup>2+</sup>, Cu<sup>2+</sup>, Zn<sup>2+</sup>, phosphate, tartrate, vanadate, oxalate and citrate interfered. The indicators can also be used for detn. of Fe present in pharmaceuticals preps.

L13 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS

TI Site-directed chemical modification and crosslinking of a monoclonal antibody using equilibrium transfer alkylating crosslink reagents

AN 1990:96471 CAPLUS

DN 112:96471

TI Site-directed chemical modification and crosslinking of a monoclonal

antibody using equilibrium transfer alkylating crosslink reagents

AU Liberatore, Frederick A.; Comeau, Robert D.; McKearin, James M.; Pearson, Daniel A.; Belonga, Benjamin Q., III; Brocchini, Stephen J.; Kath, John; Phillips, Terri; Oswell, Kira; Lawton, Richard G.

CS Med. Prod. Dep., E. I. du Pont de Nemours and Co., North Billerica, MA, 01862, USA

SO Bioconjugate Chemistry (1990), 1(1), 36-50  
CODEN: BCCHE; ISSN: 1043-1802

DT Journal

LA English

AB A new, more reactive group of protein crosslinkers in the class of equil. transfer alkylating crosslink (ETAC) reagents was synthesized. These compds. include .alpha.,.alpha.-bis[(p-chlorophenyl)methyl]- and .alpha.,.alpha.-bis[(p-tolylsulfonyl)methyl]**acetophenones** substituted in the **acetophenone** ring with chloro, nitro, amino, and carboxyl groups and derivs. Included are an 125I-labeled ETAC reagent and an 111In-labeled **DTPA** ETAC for site direction and biodistribution studies. These ETAC compds. were reacted with unreduced and partially reduced antibody under mild pH (pH 4-8) and room temp. conditions to give crosslinked structures. Examn. of resultant crosslinked antibody via size-exclusion HPLC, SDS-PAGE, and an ELISA revealed that: (1) both interantibody as well as intraantibody crosslinking had occurred; (2) the level of inter- and intraantibody crosslinking varied with the substituent on the ETAC; (3) the stability of the cross-links on the reducing SDS gels varied with substituents on the ETAC; (4) little if any immunoreactivity was lost after reaction with one of the more effective ETAC crosslinking compds.; (5) the 125I-labeled ETAC SH crosslinking in partially reduced antibody increased with pH whereas amine crosslinking with the unreduced antibody decreased with pH; (6) the optimum pH for SH site direction was pH 5.0; and (7) the 111In **DTPA** ETAC-labeled antibody had a biodistribution in CD1 mice similar to that of the 111In-bis cyclic anhydride **DTPA** labeled antibody.

L13 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS

TI Stability constants of biligand chelates of lanthanum(III) and neodymium(III) with NTA, HEDTA, EDTA, CYDTA and DTPA as primary ligands and aromatic dihydroxy compounds as secondary ligands

AN 1987:624058 CAPLUS

DN 107:224058

TI Stability constants of biligand chelates of lanthanum(III) and neodymium(III) with NTA, HEDTA, EDTA, CYDTA and DTPA as primary ligands and aromatic dihydroxy compounds as secondary ligands

AU Kale, B. D.; Mhaske, T. H.

CS Dep. Chem., Vidarbha Mahavidyalaya, Amravati, 444 604, India

SO Journal of the Indian Chemical Society (1987), 64(6), 365-6  
CODEN: JICSAH; ISSN: 0019-4522

DT Journal

LA English

AB Coordination of La(III) and Nd(III) with NTA, HEDTA, EDTA, CYDTA and **DTPA** as primary ligands and alizarin red-S, hydroquinone and **raseacetophenone** as secondary ligands were detd. pH-metrically at 25, 35 and 45.degree. and ionic strength 0.1 M (KNO3). Proton-ligand consts. for the secondary ligands and metal-ligand consts. for the 1:1:1 complexes were calcd. by the Irving-Rossotti method. Thermodyn. parameters

were also calcd.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	16.35	323.30
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.60	-2.60

SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 13:00:53 ON 05 FEB 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'CAPLUS' AT 13:01:11 ON 05 FEB 2003  
FILE 'CAPLUS' ENTERED AT 13:01:11 ON 05 FEB 2003  
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	16.35	323.30
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.60	-2.60

=> d his

(FILE 'HOME' ENTERED AT 12:47:44 ON 05 FEB 2003)

FILE 'REGISTRY' ENTERED AT 12:47:54 ON 05 FEB 2003

L1 STRUCTURE UPLOADED  
L2 0 SEARCH L1 SSS SAM  
L3 0 SEARCH L1 SSS FULL

FILE 'MARPAT' ENTERED AT 12:50:00 ON 05 FEB 2003

FILE 'REGISTRY' ENTERED AT 12:53:55 ON 05 FEB 2003

L4 STRUCTURE UPLOADED  
L5 0 SEARCH L4 SSS SAM  
L6 0 SEARCH L4 SSS FULL

FILE 'CAPLUS' ENTERED AT 12:54:56 ON 05 FEB 2003

L7 7688 DTPA

FILE 'REGISTRY' ENTERED AT 12:55:07 ON 05 FEB 2003  
E DTPA/CN

L8 1 E3

FILE 'CAPLUS' ENTERED AT 12:55:41 ON 05 FEB 2003

L9 5149 L8

L10 9714 L7 OR L9

L11 94875 ?PHENONE?

L12 26 L10 AND L11

L13 4 L10(L)L11

=> l12 not l13

L14 22 L12 NOT L13

=> d l14 1-22 ti

L14 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2003 ACS

TI Prediction models for eye irritation potential based on endpoints of the HETCAM and neutral red uptake tests

L14 ANSWER 2 OF 22 CAPLUS COPYRIGHT 2003 ACS

TI Novel stabilized formulations for chemiluminescent assays

L14 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2003 ACS

TI Mechanism of lipid peroxidation photosensitized by tiaprofenic acid: product studies using linoleic acid and 1,4-cyclohexadienes as model substrates

L14 ANSWER 4 OF 22 CAPLUS COPYRIGHT 2003 ACS

TI Electrolytic solution for electrolytic capacitor and electrolytic capacitor using the same

L14 ANSWER 5 OF 22 CAPLUS COPYRIGHT 2003 ACS

TI Skin preparations for UV-induced rough skin and skin pigmentation

L14 ANSWER 6 OF 22 CAPLUS COPYRIGHT 2003 ACS

TI Preparation of novel fluorescent lanthanide chelates for use in bioaffinity assays

L14 ANSWER 7 OF 22 CAPLUS COPYRIGHT 2003 ACS

TI Method for removing deleterious deposits from a surface using nail polish removers

L14 ANSWER 8 OF 22 CAPLUS COPYRIGHT 2003 ACS

TI Preparation of radiolabeled platelet GPIIb/IIIa receptor antagonists as imaging agents for the diagnosis of thromboembolic disorders

L14 ANSWER 9 OF 22 CAPLUS COPYRIGHT 2003 ACS

TI Inhibition of pulp and paper yellowing using nitroxides and other co-additives

L14 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2003 ACS

TI Synthesis of a New Spin Trap:  
2-(Diethoxyphosphoryl)-2-phenyl-3,4-dihydro-  
2H-pyrrole 1-Oxide

L14 ANSWER 11 OF 22 CAPLUS COPYRIGHT 2003 ACS

TI Ink-jet printing sheet for transparency preparation

L14 ANSWER 12 OF 22 CAPLUS COPYRIGHT 2003 ACS

TI Cobalt compound bleach activators, bleaching or washing compositions

containing them, and their preparation and use

L14 ANSWER 13 OF 22 CAPLUS COPYRIGHT 2003 ACS  
TI Biodegradable injectable particles for imaging

L14 ANSWER 14 OF 22 CAPLUS COPYRIGHT 2003 ACS  
TI Crosslinked acidic polysaccharides and their uses

L14 ANSWER 15 OF 22 CAPLUS COPYRIGHT 2003 ACS  
TI Process for the preparation of aromatic polycarbonates

L14 ANSWER 16 OF 22 CAPLUS COPYRIGHT 2003 ACS  
TI Preparation of radiolabeled platelet GPIIb/IIIa receptor antagonists as imaging agents for the diagnosis of thromboembolic disorders.

L14 ANSWER 17 OF 22 CAPLUS COPYRIGHT 2003 ACS  
TI Characteristics of the adsorption of ions and surfactants on products of metal corrosion and salt deposits

L14 ANSWER 18 OF 22 CAPLUS COPYRIGHT 2003 ACS  
TI Enzyme amplified lanthanide chelate luminescence assay

L14 ANSWER 19 OF 22 CAPLUS COPYRIGHT 2003 ACS  
TI Electrolyte additives for zinc-anoded secondary cells. I. Brighteners, levelers and complexants

L14 ANSWER 20 OF 22 CAPLUS COPYRIGHT 2003 ACS  
TI Thiosemicarbazones as indicators for the complexometric determination of iron(III)

L14 ANSWER 21 OF 22 CAPLUS COPYRIGHT 2003 ACS  
TI Burning-in treatment of presensitized lithographic plates

L14 ANSWER 22 OF 22 CAPLUS COPYRIGHT 2003 ACS  
TI The reactions of stabilized and unstabilized alkaline hydrogen peroxide with lignin model dimers

=> d 114 6 ti fbib abs

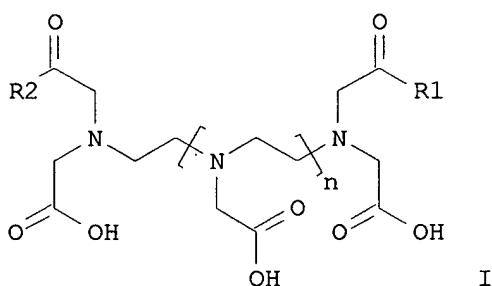
L14 ANSWER 6 OF 22 CAPLUS COPYRIGHT 2003 ACS  
TI Preparation of novel fluorescent lanthanide chelates for use in bioaffinity assays  
AN 2000:34852 CAPLUS  
DN 132:102050  
TI Preparation of novel fluorescent lanthanide chelates for use in bioaffinity assays  
IN Chan, George Wai-Kin; Hertzberg, Robert P.  
PA SmithKline Beecham Corporation, USA  
SO PCT Int. Appl., 20 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 200001663	A1	20000113	WO 1999-US15366	19990707
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	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				

PT, SE

CA 2336904	AA	20000113	US 1998-91944P P 19980707
			CA 1999-2336904 19990707
			US 1998-91944P P 19980707
			WO 1999-US15366W 19990707
EP 1095011	A1	20010502	EP 1999-932334 19990707
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
JP 2002519404	T2	20020702	US 1998-91944P P 19980707
			WO 1999-US15366W 19990707
			JP 2000-558068 19990707
			US 1998-91944P P 19980707
			WO 1999-US15366W 19990707

GI



AB The present invention provides complexing agents of Formula (I) which contain novel photosensitizers and produce long-lived fluorescence for use in bioaffinity assays, esp. HTRF (homogeneous time-resolved fluorescence) assays. Thus, 3AAP-DTPA-4APEA (I; R1 = NH-C6H4-3-COCH3, R2 = NHCH2CH2-C6H4-4-NH2) was prepd. and fluorescence lifetimes of its Eu(III) and Tb(III) chelates measured.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 114 13 ti fbib abs

L14 ANSWER 13 OF 22 CAPLUS COPYRIGHT 2003 ACS  
TI Biodegradable injectable particles for imaging  
AN 1996:637636 CAPLUS  
DN 125:322360  
TI Biodegradable injectable particles for imaging  
IN Gref, Ruxandra; Minamitake, Yoshiharu; Langer, Robert S.  
PA Massachusetts Institute of Technology, USA  
SO U.S., 15 pp., Cont.-in-part of U.S. Ser. No. 96,370.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 4

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PI	US 5565215	A	19961015	US 1994-210677	19940318

US 5543158	A	19960806	US 1993-96370	19930723
US 5578325	A	19961126	US 1993-96370	19930723
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WO 9503356	A1	19950202	WO 1994-US8287	19940722
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			US 1993-96370	19930723
			US 1994-210677	19940318
			WO 1994-US8416	19940722
JP 09504308	T2	19970428	JP 1994-505337	19940722
			US 1993-96370	19930723
			US 1994-210677	19940318
			US 1994-265440	19940624
			WO 1994-US8287	19940722

PATENT FAMILY INFORMATION:

FAN 1995:471865

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				US 1994-210677	19940318
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	EP 710261	A1	19960508	EP 1994-922733	19940722
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FAN	1995:822985				
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	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
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				US 1994-210677	19940318
				US 1994-265440	19940624
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	US 5565215	A	19961015	US 1994-210677	19940318
				US 1993-96370	19930723
	US 5578325	A	19961126	US 1994-265440	19940624
				US 1993-96370	19930723
				US 1994-210677	19940318
	EP 712421	A1	19960522	EP 1994-925102	19940722
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				US 1994-210677	19940318
				US 1994-265440	19940624
				WO 1994-US8287	19940722
	US 6007845	A	19991228	US 1996-582993	19960325
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FAN	1996:725305				
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	US 5565215	A	19961015	US 1994-210677	19940318
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	WO 9503356	A1	19950202	WO 1994-US8287	19940722
	W: CA, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
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				US 1994-210677	19940318
				US 1994-265440	19940624
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				US 1993-96370	19930723
				US 1994-210677	19940318
				US 1994-265440	19940624
	EP 712421	A1	19960522	EP 1994-925102	19940722
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
SE					
				US 1993-96370	19930723



		US 1994-210677	19940318
		US 1994-265440	19940624
		WO 1994-US8287	19940722
JP 09504308	T2 19970428	JP 1994-505337	19940722
		US 1993-96370	19930723
		US 1994-210677	19940318
		US 1994-265440	19940624
		WO 1994-US8287	19940722

AB Injectable nanoparticles or microparticles are provided that are not rapidly cleared from the blood stream by the macrophages of the reticuloendothelial system and that can be modified as necessary to achieve variable release rates or to target specific cells or organs as desired. The terminal hydroxyl group of a poly(alkylene glycol), e.g., polyethylene glycol, can be used to covalently attach onto the surface of the injectable particles biol. active mols., including antibodies targeted to specific cells or organs, or mols. affecting the charge, lipophilicity, or hydrophilicity of the particle. The surface of the particle can also be modified by attaching biodegradable polymers of the same structure as those forming the core of the injectable particles. The injectable particles include magnetic particles or radiopaque materials for diagnostic imaging.

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
39.34	346.29

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
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CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 13:08:51 ON 05 FEB 2003

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LOGINID:sssptal623paz

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1	Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08	"Ask CAS" for self-help around the clock
NEWS 3 Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09	ZDB will be removed from STN
NEWS 5 Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6 Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS

NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	27	Oct 21	EVENTLINE has been reloaded
NEWS	28	Oct 24	BEILSTEIN adds new search fields
NEWS	29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	31	Nov 18	DKILIT has been renamed APOLLIT
NEWS	32	Nov 25	More calculated properties added to REGISTRY
NEWS	33	Dec 02	TIBKAT will be removed from STN
NEWS	34	Dec 04	CSA files on STN
NEWS	35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	36	Dec 17	TOXCENTER enhanced with additional content
NEWS	37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	38	Dec 30	ISMEC no longer available
NEWS	39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS	40	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS	41	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS	42	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS EXPRESS	January 6 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002		
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS INTER	General Internet Information		
NEWS LOGIN	Welcome Banner and News Items		
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN		
NEWS WWW	CAS World Wide Web Site (general information)		

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SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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0.21

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STRUCTURE FILE UPDATES: 4 FEB 2003 HIGHEST RN 485752-98-5

DICTIONARY FILE UPDATES: 4 FEB 2003 HIGHEST RN 485752-98-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e 3-aminoacetophenone/cn

E1	1	3-AMINOACETANILIDE HYDROCHLORIDE/CN
E2	1	3-AMINOACETANILIDE-4,6-DISULFONIC ACID/CN
E3	0 -->	3-AMINOACETOPHENONE/CN
E4	1	3-AMINOACRIDINE/CN
E5	1	3-AMINOACRIDONE/CN
E6	1	3-AMINOACROLEIN/CN
E7	1	3-AMINOACRYLIC ACID/CN
E8	1	3-AMINOACRYLONITRILE/CN
E9	1	3-AMINOACRYLOPHENONE/CN
E10	1	3-AMINOADENINE/CN
E11	1	3-AMINOALANINE SYNTHASE/CN
E12	1	3-AMINOALIZARIN/CN

=> e acetophenone,3-amino-/cn

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E2	1	ACETOPHENONE, TRIPHENYLPHOSPHAZINE/CN
E3	0 -->	ACETOPHENONE,3-AMINO-/CN
E4	1	ACETOPHENONE-.ALPHA.,.ALPHA.,.ALPHA.-D3/CN
E5	1	ACETOPHENONE-.ALPHA.-D/CN
E6	1	ACETOPHENONE-.BETA.-NAPHTHOL COPOLYMERS/CN
E7	1	ACETOPHENONE-.BETA.-NAPHTHOL POLYMER/CN
E8	1	ACETOPHENONE-.BETA.-NAPHTHOL-PHENOL POLYMER/CN
E9	1	

ACETOPHENONE-1,1-BIS(4-HYDROXYPHENYL)-1-PHENYLETHANE-FORMALD

EHYDE COPOLYMER/CN

E10 1  
 ACETOPHENONE-1,1-BIS(4-HYDROXYPHENYL) CYCLODODECANE-FORMALDEH  
 YDE COPOLYMER/CN

E11 1 ACETOPHENONE-1,2-14C2, 2,2,2',4',5'-PENTACHLORO-/CN

E12 1 ACETOPHENONE-1,2-14C2, 2,2,2',5'-TETRACHLORO-/CN

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FULL ESTIMATED COST	0.80	1.01

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PASSWORD:

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FILE 'REGISTRY' ENTERED AT 08:58:43 ON 06 FEB 2003

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FULL ESTIMATED COST	0.80	1.01

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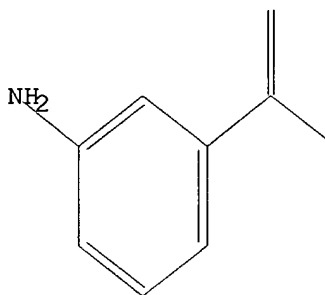
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L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l1 exact full

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100.0% PROCESSED 81 ITERATIONS  
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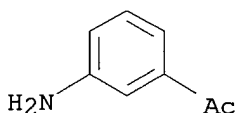
3 ANSWERS

L2 3 SEA EXA FUL L1

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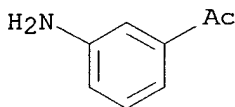
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CI PMS

CM 1

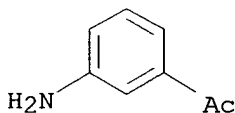


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L2 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS  
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MF C8 H9 N O  
CI RIS



L2 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS  
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MF C8 H9 N O  
CI COM

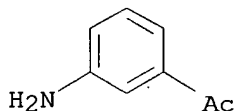


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

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L2 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2003 ACS  
RN 99-03-6 REGISTRY  
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OTHER CA INDEX NAMES:  
CN Acetophenone, 3'-amino- (8CI)  
OTHER NAMES:  
CN .beta.-Aminoacetophenone  
CN 1-(3-Aminophenyl)ethanone  
CN 1-Acetyl-3-aminobenzene  
CN 3'-Aminoacetophenone  
CN 3-Acetylaniline  
CN 3-Acetylphenylamine  
CN m-Acetylaniline  
CN m-Aminoacetophenone  
CN m-Aminoacetylbenzene  
FS 3D CONCORD  
MF C8 H9 N O  
CI COM  
LC STN Files: ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS,  
CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DETHERM\*, GMELIN\*,  
HODOC\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, RTECS\*, SPECINFO, TOXCENTER,  
USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

476 REFERENCES IN FILE CA (1962 TO DATE)  
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
476 REFERENCES IN FILE CAPLUS (1962 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	53.43	53.64

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FILE COVERS 1907 - 6 Feb 2003 VOL 138 ISS 6  
FILE LAST UPDATED: 5 Feb 2003 (20030205/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L3 478 L2

=> dtpa

7688 DTPA

5 DTPAS

L4 7688 DTPA

(DTPA OR DTPAS)

=> l3 and l4

L5 2 L3 AND L4

=> d l5 1-2 ti fbib abs

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS

TI Preparation of novel fluorescent lanthanide chelates for use in bioaffinity assays

AN 2000:34852 CAPLUS

DN 132:102050

TI Preparation of novel fluorescent lanthanide chelates for use in bioaffinity assays

IN Chan, George Wai-Kin; Hertzberg, Robert P.

PA SmithKline Beecham Corporation, USA

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

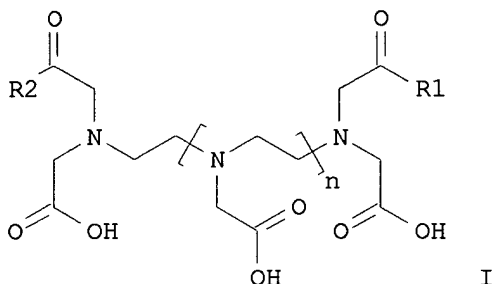
DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
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				CA 1999-2336904	19990707
				US 1998-91944P P	19980707
				WO 1999-US15366W	19990707
	EP 1095011	A1	20010502	EP 1999-932334	19990707
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
				US 1998-91944P P	19980707
				WO 1999-US15366W	19990707
	JP 2002519404	T2	20020702	JP 2000-558068	19990707

GI



AB The present invention provides complexing agents of Formula (I) which contain novel photosensitizers and produce long-lived fluorescence for use

in bioaffinity assays, esp. HTRF (homogeneous time-resolved fluorescence) assays. Thus, 3AAP-DTPA-4APEA (I; R1 = NH-C6H4-3-COCH3, R2 = NHCH2CH2-C6H4-4-NH2) was prepd. and fluorescence lifetimes of its Eu(III) and Tb(III) chelates measured.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS

TI Polypeptide and protein conjugation to proteins, reporter groups, and cytotoxic agents for diagnosis and therapy

AN 1989:228179 CAPLUS

DN 110:228179

TI Polypeptide and protein conjugation to proteins, reporter groups, and cytotoxic agents for diagnosis and therapy

IN Offord, Robin Ewart; Rose, Keith

PA Hoffmann-La Roche, F., und Co. A.-G., Switz.

SO Eur. Pat. Appl., 82 pp.

CODEN: EPXXDW

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LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	EP 243929	A2	19871104	EP 1987-106113	19870428
	EP 243929	A3	19891011		
	EP 243929	B1	19950727		
	R: CH, DE, FR, GB, IT, LI, NL				
	JP 62267300	A2	19871119	JP 1987-107898	19870430
	JP 2528464	B2	19960828		
				GB 1986-10551	19860430
	JP 08259600	A2	19961008	JP 1996-46752	19960208
	JP 2900992	B2	19990602		
				GB 1986-10551	19860430

AB A protein is conjugated, through a coupler via Schiff base linkages which may be stabilized by redn., to the same or another protein, a reporter group, or a cytotoxic agent. The linkages are formed at specific sites

on



the protein (esp. at the C-terminus by enzymic means) so as not to inactivate the active site. The reporter group may be a chelating agent which can bind a radioactive metal for use in diagnosis and therapy. The protein may be an antibody or antibody fragment. A buffered soln. of m-aminobenzaldehyde di-Me acetal was added to Zn-free insulin and the mixt. was incubated with trypsin to produce de-AlaB30-insulin B29-m-formylanilide. m-Aminobenzoic acid was sep. converted in 2 steps to the tert-butyloxycarbonyl-m-aminobenzoic acid hydroxysuccinimido ester, which was conjugated with ferrioxamine B and deblocked. This product was conjugated with the insulin deriv. and the product was reduced with NaBH3CN. Fe was removed from the conjugate with EDTA and the conjugate was labeled with 111In or 68Ga.

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
12.39	66.03

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-1.30	-1.30

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